

11. Means according to claim 9, wherein the metallic carrier material is titanium or titanium alloy.

12. Means according to claim 9, wherein the nonmetallic carrier material is carbon.

13. Means according to claim 9, wherein the polymer is derived from natural monomers taken from the group consisting of amino acids, glutamic acid, lactic acid, hydroacetic acid, and copolymers thereof.

14. Means according to claim 9, wherein the polymer is a polylactate.

15. Method of producing, reproducing or stabilizing vertebral structures or of fixing endoprosthesis comprising the step of implanting a means according to claim 1 into living beings.

16. Method according to claim 15, wherein the carrier is taken from the group consisting of polymer, ceramic, metallic and nonmetallic materials.

17. Method according to claim 16, wherein the metallic carrier material is titanium or a titanium alloy.

18. Method according to claim 16, wherein the nonmetallic carrier material is carbon.

19. Method according to claim 16, wherein the ceramic carrier materials are selected from the group consisting of hydroxylapatite, calciumphosphate, aluminum oxide, and ionomer cement.

20. Method according to claim 15, wherein the carrier is an endoprosthesis.

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21. Method of treating osteoporosis and pseudoarthrosis or of filling bone defects comprising the step of implanting a means according to claim 1 into living beings.

22. Method according to claim 21, wherein the carrier is taken from the group consisting of polymer, ceramic, metallic and nonmetallic materials.

23. Method according to claim 22, wherein the ceramic carrier materials are selected from the group consisting of hydroxylapatite, calciumphosphate, aluminum oxide, and ionomer cement.

24. Method according to claim 22, wherein the metallic carrier material is titanium or a titanium alloy.

25. Method according to claim 22, wherein the nonmetallic carrier material is carbon.

26. Method according to claim 21, wherein large bone defects are filled.

27. Method according to claim 16, wherein the polymer is derived from natural monomers taken from the group consisting of amino acids, glutamic acid, lactic acid, hydroacetic acid, and copolymers thereof.

28. Method according to claim 27, wherein the polymer is a polylactate.

29. Method according to claim 22, wherein the polymer is derived from natural monomers taken from the group consisting of amino acids, glutamic acid, lactic acid, hydroacetic acid, and copolymers thereof.

30. Method according to claim 29. Wherein the polymer is a polylactate.